

The diagram illustrates a computer system architecture. A dashed box labeled 20 encloses the internal components, which are connected to a central SYSTEM BUS 23. The components include:

- SYSTEM MEMORY (ROM) 24:** Contains BIOS 26, OPERATING SYSTEM 35, APPLICATION PROGRAMS 36, OTHER PROGRAM MODULES 37, and PROGRAM DATA 38.
- PROCESSING UNIT 21:** Connected to the SYSTEM BUS 23.
- VIDEO ADAPTER 48:** Connected to the SYSTEM BUS 23 and a MONITOR 47.
- Storage Interfaces:** HARD DISK DRIVE INTERFACE 32, MAGNETIC DISK DRIVE INTERFACE 33, and OPTICAL DRIVE INTERFACE 34, all connected to the SYSTEM BUS 23. They interface with a HARD DISK DRIVE 27, a MAGNETIC DISK DRIVE 28, and an OPTICAL DRIVE 30, respectively.
- Network Interface:** A NETWORK INTERFACE 53 is connected to the SYSTEM BUS 23 and a LOCAL AREA NETWORK 51.
- Serial Port Interface:** A SERIAL PORT INTERFACE 46 is connected to the SYSTEM BUS 23 and a MODEM 54.

External components and connections include:

- Remote Computer 49:** Connected to the LOCAL AREA NETWORK 51.
- Wide Area Network 52:** Connected to the MODEM 54.
- Application Programs 36:** Represented by a computer icon 40.
- Program Data 38:** Represented by a disk icon 42.
- Other Program Modules 37:** Represented by a disk icon 44.
- Operating System 35:** Represented by a disk icon 46.
- Application Programs 36:** Represented by a disk icon 48.
- Program Data 38:** Represented by a disk icon 50.

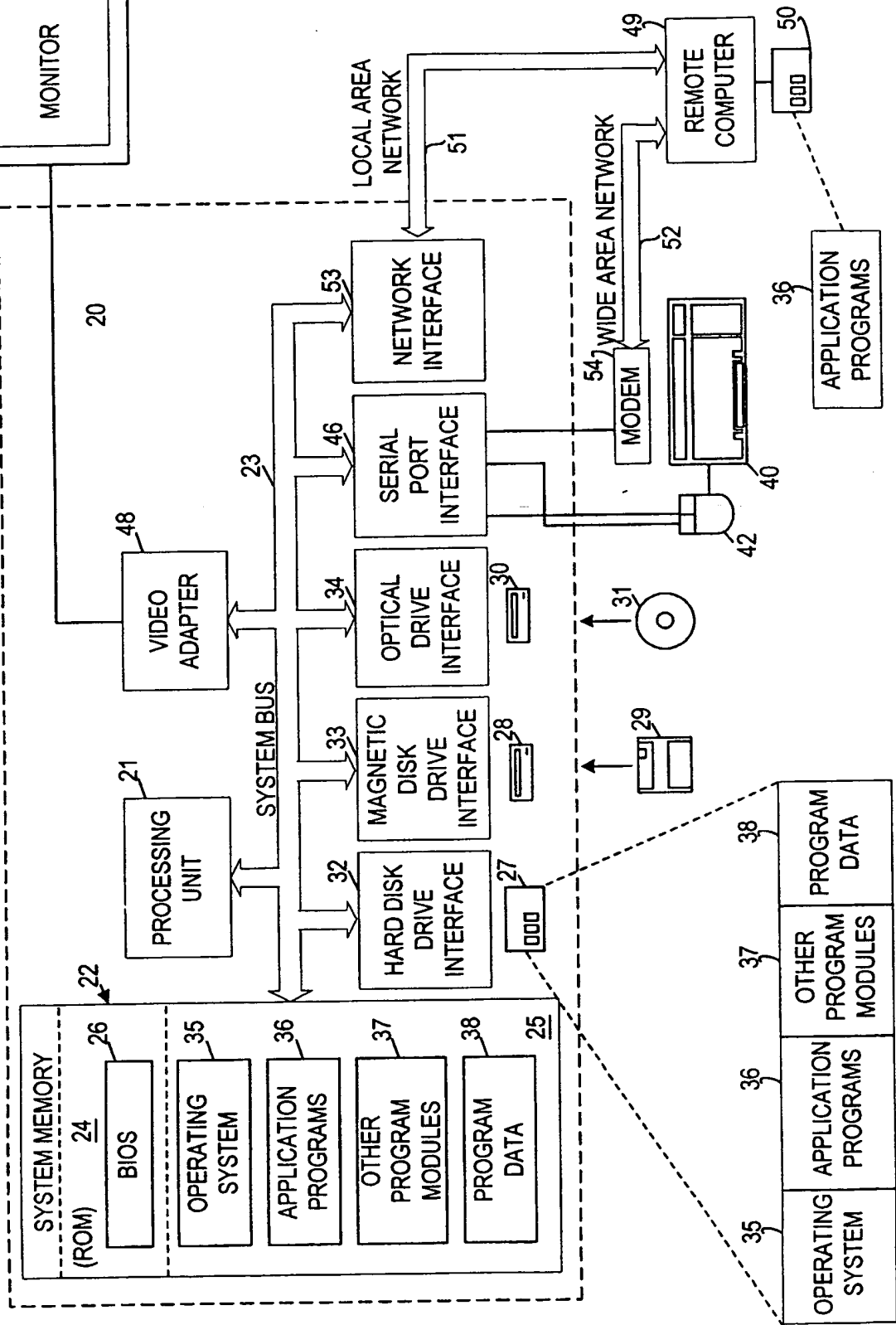
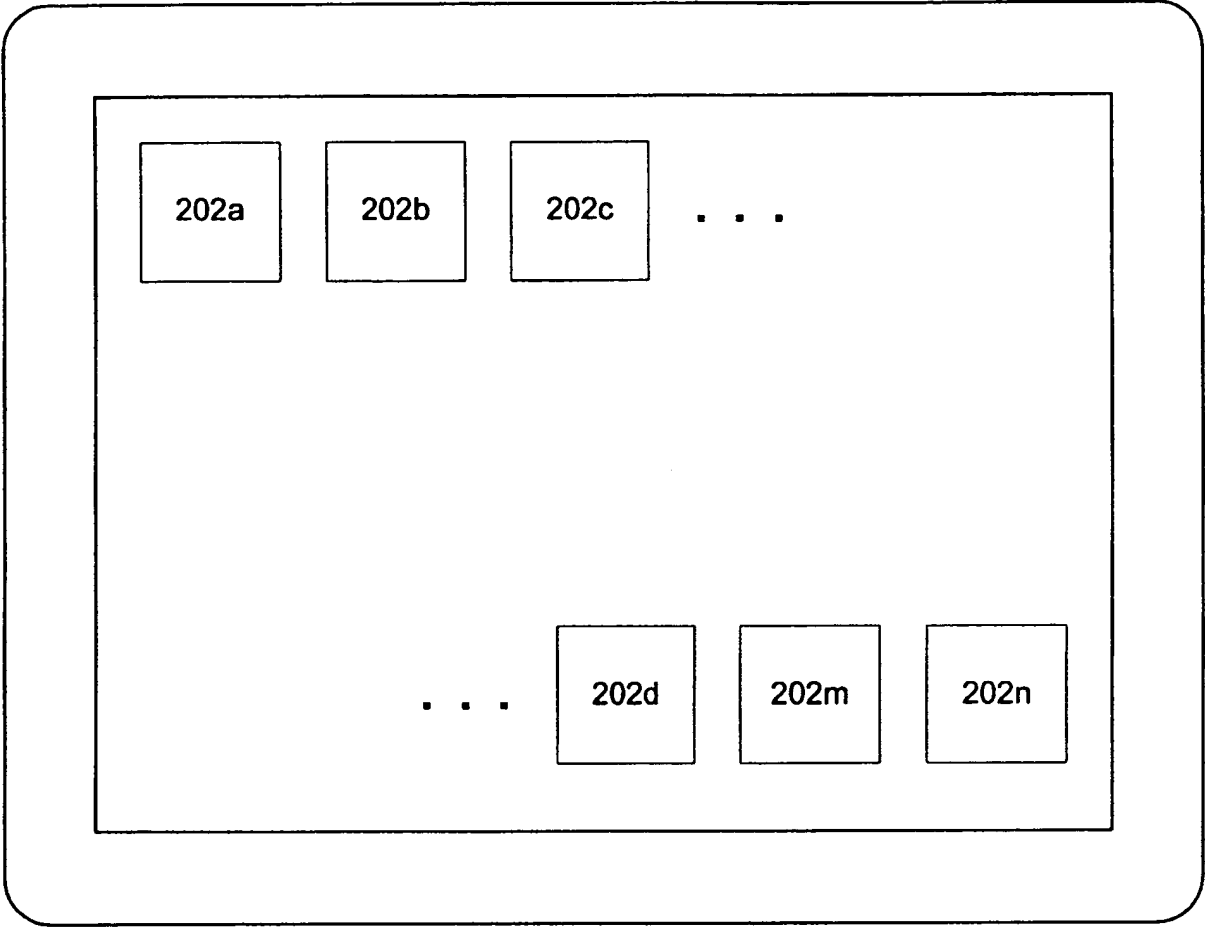
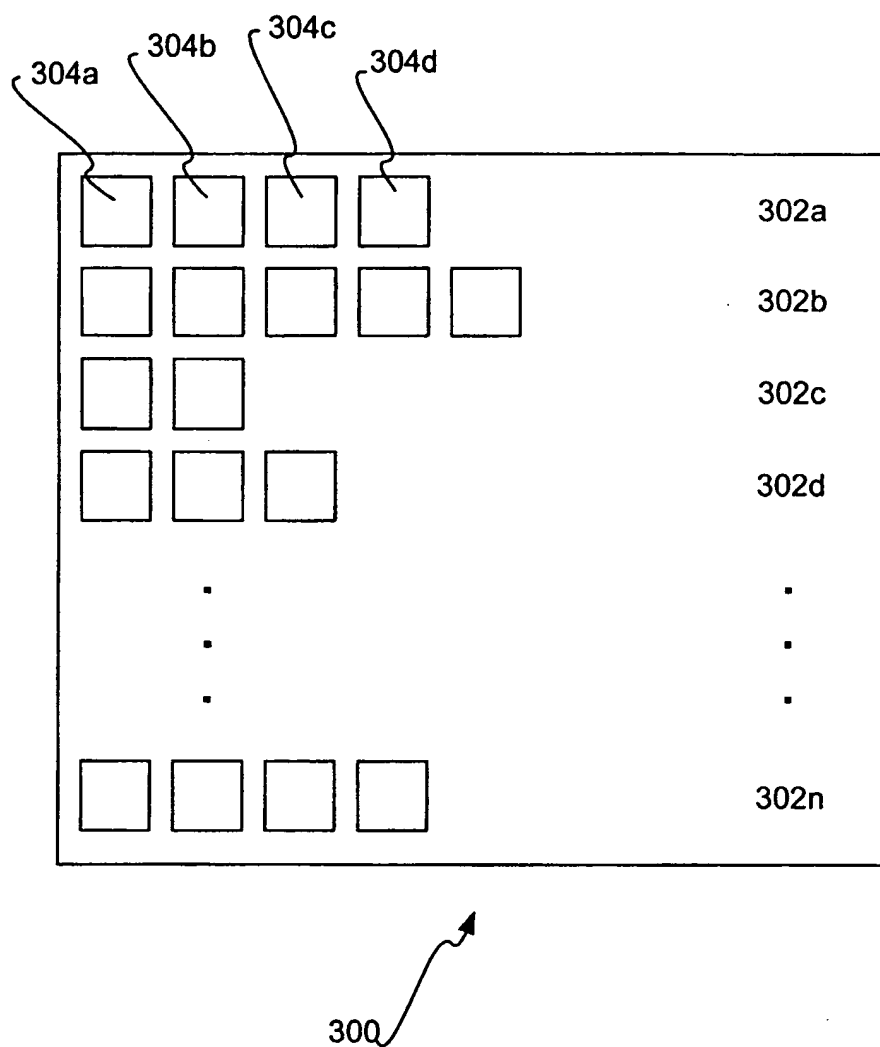


FIG 2



200

**FIG 3**



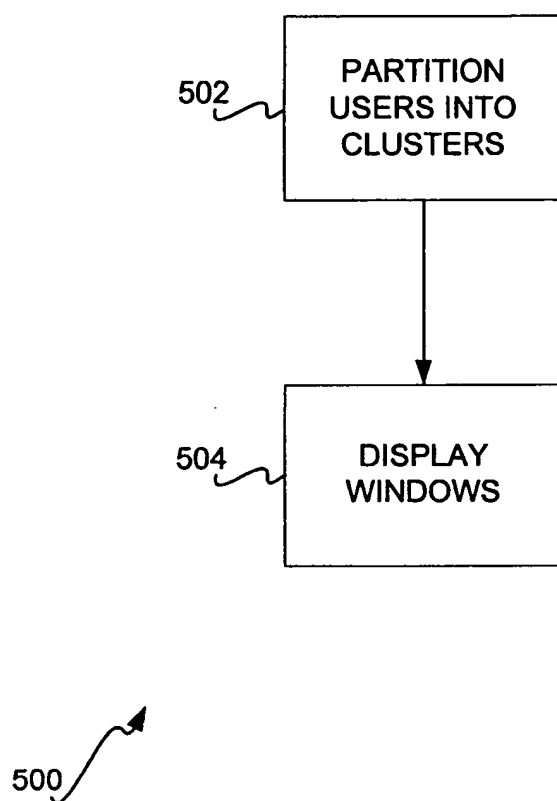
**FIG 4**

The diagram illustrates a data structure 400, which is a table with three rows and ten columns. The rows are labeled 402a, 402b, and 402c on the left. The columns are labeled 404a through 404e at the top, with some labels grouped by brackets: 406 for columns 404a and 404b, 408 for columns 404c and 404d, 410 for columns 404e and 404f, and 412 for column 404g. The data is as follows:

	404a	404b	404c	404d	404e	404f	404g	404h	404i
402a → NEWS	5	0	2	1	0	0	0	0	0
402b → ENT	0	1	3	2	1	0	0	0	5
402c → MONEY	0	2	0	0	0	0	2	0	4

Below the table, the label 400 is shown with a curved arrow pointing to the entire structure.

**FIG 5**



**FIG 6**

